



CWSRF Projects C5-5518-01-00 & 01-70
Town of Essex
Essex County
Wastewater Collection and Treatment System

Type of Financing: Short-Term Interest-Free and American Recovery and Reinvestment Act (ARRA) Funds

Estimated Amount to be Financed: \$6,331,687

EPA Approved Green Project Reserve: \$1,331,643

Estimated ARRA Principal Forgiveness: \$5,331,643

Estimated Principal of Long-Term Financing: \$1,000,044

	(Amount)	(Source & Type)
Other Funding Sources:	\$2,324,800	RD Grant
	\$1,278,400	RD Grant
	\$ 720,776	Empire State Development Grant
	\$ 500,000	CWCA Bond Act Grant
	\$ 279,224	Empire State Development Grant

Prior CWSRF Recipient: Yes (X) No ()

Hardship Determination: Yes (X) No ()

Project Description:

This action consists of financing costs associated with planning, design and construction of a wastewater collection and treatment facility for the Town of Essex. The scope of this project is defined by the “Preliminary Engineering Report – Proposed Sewer District No. 1” prepared by AES Northeast, dated July 11, 2002, which was accepted by the NYSDEC on December 2, 2002 and by a report entitled “Final Engineering Report Basis of Design Sanitary Sewer Collection and Treatment Plant Installation” prepared by AES Northeast dated February 19, 2009, which was approved by the NYSDEC on April 22, 2009. This report was supplemented to add Green Project Reserve features by a letter report prepared by AES Northeast, entitled, “Sewer System Improvements, GPR Incentive Project Components” dated October 29, 2009 that was determined eligible by the NYS Environmental Facilities Corporation on December 8, 2009.

Project Summary:

The Hamlet of Essex is a designated historic district located along the western shores of Lake Champlain. Many of the homes in this area are built on very small lots with clay soils that preclude proper treatment of sewage using conventional on-site septic systems. Some areas of this neighborhood have sewage leaching out of the soils into drainage ditches that eventually flow into Lake Champlain. This situation creates a very serious health hazard because the source of the Hamlet’s water supply is Lake Champlain. As a result, the NYSDEC issued an Order on Consent alleging the improperly treated and untreated wastewater effluent from on-site septic systems discharging directly into the waters of the state, including Lake Champlain, a Class A water body, is in violation of ECL.

To comply with the Consent Order, and realizing the importance of clean water to the health and safety of the residents and tourism, the Town proposes to construct a wastewater collection and treatment facility.

Green Project Reserve (GPR) funding will enable the Town to improve the energy efficiency of the wastewater treatment facility. The Town will install improvements to the facility’s influent pumping, mechanical screen, UV disinfection, sludge processing facilities, solar voltaic panels, roof mounted solar hot water panels and various WWTP building improvements. In addition, the Town will install water meters and purchase sewer camera inspection equipment. These proposed improvements have been approved by the U.S. Environmental Protection Agency as eligible GPR infrastructure under the American Recovery and Reinvestment Act of 2009.

Financing Summary:

Total project costs of \$11,434,887 will be funded with a combination of CWSRF short-term interest-free financing, principal forgiveness, a Green Project Reserve grant, two Rural Development Grants for \$2,324,800 and \$1,278,400, two Empire State Development Grants for \$720,776 and \$279,224 and a \$500,000 Bond Act Grant. The Town plans to convert to SRF long-term interest-free financing in 2010.

SEQR Findings:

The Corporation has determined that the proposed financing will finance a project which constitutes “a particular course of action specifically required to be undertaken pursuant to a judgment or order”, and “actions subject to the class A or class B regional project jurisdiction of the Adirondack Park Agency”, which are Type II actions under SEQRA, pursuant to 6 NYCRR 617.5(c)(29) and (36).

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
General (GC)	January 22, 2010 (T)	December 30, 2011 (T)
Electrical (E)	January 22, 2010 (T)	December 30, 2011 (T)
Plumbing (P)	January 22, 2010 (T)	December 30, 2011 (T)
Collection System (SA)	January 22, 2010 (T)	December 30, 2011 (T)
HVAC (M)	January 22, 2010 (T)	December 30, 2011 (T)
Process (W)	January 22, 2010 (T)	December 30, 2011 (T)
Green Project Reserve (GPR)	January 22, 2010 (T)	December 30, 2011 (T)